

WHAT IS CLAIMED IS:

1. An artificial chaperon kit characterized in that the kit comprises cyclic saccharide cycloamylose and polyoxyethylenic detergent.

2. An artificial chaperon kit characterized in that the kit comprises cyclic saccharide cycloamylose and ionic detergent.

3. A method for diluting the denaturant making the protein a denatured state by adding an excess amount of polyoxyethylenic detergent to a denatured protein of  $\alpha$ -helical structure, and preventing protein molecules from aggregation, thereafter adding cyclic saccharide cycloamylose, utilizing the inclusion ability thereof to strip detergent from protein-detergent complex, and accelerating the proper folding of protein into a correct higher-order structure with activity.

4. A method for diluting the denaturant making the protein a denatured state by adding an excess amount of ionic detergent to a denatured protein of  $\beta$ -sheet structure and/or a denatured protein having an intramolecular S-S bond, and preventing protein molecules from aggregation, thereafter adding cyclic saccharide cycloamylose, utilizing the inclusion ability thereof to strip detergent from protein-detergent complex, and accelerating the

proper folding of protein into a correct higher-order structure with activity.

5. The artificial chaperon kit as claimed in Claim 1, wherein the polyoxyethylenic detergent is polyoxyethylenesorbitan ester, polyoxyethylenedodecyl ether, polyoxyethyleneheptamethylhexyl ether, polyoxyethyleneisooctylphenyl ether, polyoxyethylene-nonylphenyl ether, polyoxyethylene fatty acid ester or sucrose fatty acid ester.

6. The artificial chaperon kit as claimed in Claim 2, wherein the ionic detergent is cetyltrimethylammonium bromide, sodium dodecyl sulfate, sodium deoxycholate, 3-[(3-colamidopropyl)dimethylammonio]-1-propanesulfonic acid, hexadecyltrimethylammonium bromide or myristylsulfobetaine.

7. The artificial chaperon kit as claimed in Claim 1, wherein the cyclic saccharide cycloamylose is the cyclic saccharide cycloamylose having a polymerization degree of from 25 to 50 or from 40 to 150.

8. The artificial chaperon kit as claimed in Claim 2, wherein the cyclic saccharide cycloamylose is the cyclic saccharide cycloamylose having a polymerization degree of from 40 to 150.

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